

***LineUp With Math™* Alignment**
Mathematics Curriculum Standards
Content Standards

NUMBER AND OPERATIONS

Standard I. Understand numbers, ways of representing numbers, relationships among numbers, and number systems.

Expectation A. Work flexibly with fractions, decimals, and percents to solve problems..

1. Solve real-world problems involving fractions, decimals, and percents.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Standard III. Compute fluently and make reasonable estimates.

Expectation D. Develop, analyze, and explain methods for solving problems involving proportions, such as scaling and finding equivalent ratios.

*2. Use proportional reasoning to solve applied problems and then justify the solution.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

MEASUREMENT

Standard II. Apply appropriate techniques, tools, and formulas to determine measurements.

Expectation F. Solve simple problems involving rates and derived measurements for such attributes as velocity and density.

1. Use measurements and formulas to solve real-world and mathematical problems.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.